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NEWS 3 OCT 07 EPFULL enhanced with full implementation of EPC2000
NEWS 4 OCT 07 Multiple databases enhanced for more flexible patent
number searching
NEWS 5 OCT 22 Current-awareness alert (SDI) setup and editing
enhanced
NEWS 6 OCT 22 WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
Applications
NEWS 7 OCT 24 CHEMLIST enhanced with intermediate list of
pre-registered REACH substances
NEWS 8 NOV 21 CAS patent coverage to include exemplified prophetic
substances identified in English-, French-, German-,
and Japanese-language basic patents from 2004-present
NEWS 9 NOV 26 MARPAT enhanced with FSORT command
NEWS 10 NOV 26 MEDLINE year-end processing temporarily halts
availability of new fully-indexed citations
NEWS 11 NOV 26 CHEMSAFE now available on STN Easy
NEWS 12 NOV 26 Two new SET commands increase convenience of STN
searching
NEWS 13 DEC 01 ChemPort single article sales feature unavailable

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
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NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 02:21:24 ON 08 DEC 2008

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

0.21

0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 02:21:41 ON 08 DEC 2008

69 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s (keratin or keratin hydrogel) and soil(p)amendment? and hydratable keratin and cationic species

0* FILE ADISNEWS
0* FILE ANTE
0* FILE AQUALINE
0* FILE BIOENG
0* FILE BIOTECHABS
0* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN
0* FILE ES BIOBASE
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA

34 FILES SEARCHED...

2 FILE IFIPAT
0* FILE KOSMET
0* FILE NTIS
0* FILE NUTRACEUT
0* FILE PASCAL
0* FILE PHARMAML
2 FILE USPATFULL
0* FILE WATER
1 FILE WPIDS

68 FILES SEARCHED...

1 FILE WPINDEX

4 FILES HAVE ONE OR MORE ANSWERS, 69 FILES SEARCHED IN STNINDEX

L1 QUE (KERATIN OR KERATIN HYDROGEL) AND SOIL(P) AMENDMENT? AND HYDRATABLE KERATIN AND CATIONIC SPECIES

=> file ifipat uspatfull

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
1.30	1.51

FULL ESTIMATED COST

FILE 'IFIPAT' ENTERED AT 02:23:02 ON 08 DEC 2008

COPYRIGHT (C) 2008 IFI CLAIMS(R) Patent Services (IFI)

FILE 'USPATFULL' ENTERED AT 02:23:02 ON 08 DEC 2008

CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l1

L2 4 L1

=> d l2 1-4

L2 ANSWER 1 OF 4 IFIPAT COPYRIGHT 2008 IFI on STN
 AN 10627023 IFIPAT;IFIUDB;IFICDB
 TI Hydratable form of keratin for use as a soil amendment; comprises an oxidized keratin that upon hydration forms a hydrogel which can increase the water retention properties of soil and provide a source of organic and inorganic nutrients can also support the remediation of contaminated soils
 IN Blanchard Cheryl R; Siller-Jackson Arlene J; Smith Robert Allen; Timmons Scott F; Van Dyke Mark E
 PA Keraplast Technologies Ltd
 Southwest Research Institute
 (50215, 78576)
 PI US 20040134248 A1 20040715
 AI US 2003-715337 20031117
 RLI US 2000-516755 20000301 DIVISION 6649740
 FI US 20040134248 20040715
 US 6649740
 DT Utility; Patent Application - First Publication
 FS CHEMICAL APPLICATION
 ED Entered STN: 16 Jul 2004
 Last Updated on STN: 11 May 2006
 CLMN 51
 GI 3 Figure(s).
 FIG. 1. Schematic of the oxidation of keratin cystine residues to sulfonic acid groups.
 FIG. 2. Typical titration curve for a one gram sample of oxidized keratin derived from hair.
 FIG. 3. Graph depicting the number of moles of sodium hydroxide required to neutralize keratin derived from hair that has been oxidized for varying times.

L2 ANSWER 2 OF 4 IFIPAT COPYRIGHT 2008 IFI on STN
 AN 03972059 IFIPAT;IFIUDB;IFICDB
 TI Hydratable form of keratin for use as a soil amendment; Oxidized, comprises sulfonate groups and is associated with metal ions; hydrogel; use in bioremediation and increasing water retention
 IN Blanchard Cheryl R; Siller-Jackson Arlene J; Smith Robert Allen; Timmons Scott F; Van Dyke Mark E
 PA Keraplast Technologies Ltd (50215)
 PI US 6649740 B1 20031118
 AI US 2000-516755 20000301
 FI US 6649740 20031118
 DT Utility; Reassigned
 FS CHEMICAL GRANTED
 ED Entered STN: 19 Nov 2003
 Last Updated on STN: 27 May 2004
 MRN 010950 MFN: 0745
 010952 0118
 010952 0129
 013248 0355
 CLMN 23
 GI 3 Drawing Sheet(s), 3 Figure(s).
 FIG. 1. Schematic of the oxidation of keratin cystine residues to sulfonic acid groups.
 FIG. 2. Typical titration curve for a one gram sample of oxidized keratin derived from hair.
 FIG. 3. Graph depicting the number of moles of sodium hydroxide required to neutralize keratin derived from hair that has been oxidized

for varying times.

L2 ANSWER 3 OF 4 USPATFULL on STN
AN 2004:175096 USPATFULL
TI Hydratable form of keratin for use as a soil amendment
IN Smith, Robert Allen, Jackson, IN, UNITED STATES
Timmons, Scott F., San Antonio, TX, UNITED STATES
Van Dyke, Mark E., Fair Oaks Ranch, TX, UNITED STATES
Blanchard, Cheryl R., Warsaw, IN, UNITED STATES
Siller-Jackson, Arlene J., Helotes, TX, UNITED STATES
PA Southwest Research Institute (U.S. corporation)
Keraplast Technologies, Ltd. (U.S. corporation)
PI US 20040134248 A1 20040715
AI US 2003-715337 A1 20031117 (10)
RLI Division of Ser. No. US 2000-516755, filed on 1 Mar 2000, GRANTED, Pat. No. US 6649740
DT Utility
FS APPLICATION
LN.CNT 724
INCL INCLM: 071/015.000
NCL NCLM: 071/015.000
IC [7]
ICM C05F001-00
IPCI C05F0001-00 [ICM,7]
IPCR C05F0001-00 [I,C*]; C05F0001-00 [I,A]; C05F0011-00 [I,C*];
C05F0011-08 [I,A]; C09K0017-14 [I,C*]; C09K0017-32 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 4 OF 4 USPATFULL on STN
AN 2003:302925 USPATFULL
TI Hydratable form of keratin for use as a soil amendment
IN Smith, Robert Allen, Jackson, MS, United States
Timmons, Scott F., San Antonio, TX, United States
Van Dyke, Mark E., Fair Oaks Ranch, TX, United States
Blanchard, Cheryl R., San Antonio, TX, United States
Siller-Jackson, Arlene J., Helotes, TX, United States
PA Keraplast Technologies, Ltd., San Antonio, TX, United States (U.S. corporation)
PI US 6649740 B1 20031118
AI US 2000-516755 20000301 (9)
DT Utility
FS GRANTED
LN.CNT 653
INCL INCLM: 530/357.000
INCLS: 530/355.000; 530/842.000; 530/418.000; 530/422.000; 530/423.000;
514/002.000; 073/073.000; 106/900.000
NCL NCLM: 530/357.000
NCLS: 073/073.000; 106/900.000; 530/355.000; 530/418.000; 530/422.000;
530/423.000; 530/842.000
IC [7]
ICM A61K038-17
ICS C07K014-00
IPCI A61K0038-17 [ICM,7]; C07K0014-00 [ICS,7]
IPCR C05F0001-00 [I,C*]; C05F0001-00 [I,A]; C05F0011-00 [I,C*];
C05F0011-08 [I,A]; C09K0017-14 [I,C*]; C09K0017-32 [I,A]
EXF 530/357; 530/355; 530/842; 530/418; 530/422; 530/423; 514/12; 073/73;
106/900
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d hist

(FILE 'HOME' ENTERED AT 02:21:24 ON 08 DEC 2008)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 02:21:41 ON 08 DEC 2008
SEA (KERATIN OR KERATIN HYDROGEL) AND SOIL(P)AMENDMENT? AND HYD

0* FILE ADISNEWS
0* FILE ANTE
0* FILE AQUALINE
0* FILE BIOENG
0* FILE BIOTECHABS
0* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN
0* FILE ESBIOBASE
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA
2 FILE IFIPAT
0* FILE KOSMET
0* FILE NTIS
0* FILE NUTRACEUT
0* FILE PASCAL
0* FILE PHARMAML
2 FILE USPATFULL
0* FILE WATER
1 FILE WPIDS
1 FILE WPINDEX

L1 QUE (KERATIN OR KERATIN HYDROGEL) AND SOIL(P) AMENDMENT? AND HY

FILE 'IFIPAT, USPATFULL' ENTERED AT 02:23:02 ON 08 DEC 2008

L2 4 S L1

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
10.12	11.63

FULL ESTIMATED COST

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NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 DEC 01 ChemPort single article sales feature unavailable
NEWS 3 APR 03 CAS coverage of exemplified prophetic substances
enhanced
NEWS 4 APR 07 STN is raising the limits on saved answers
NEWS 5 APR 24 CA/CAPLUS now has more comprehensive patent assignee
information
NEWS 6 APR 26 USPATFULL and USPAT2 enhanced with patent
assignment/reassignment information
NEWS 7 APR 28 CAS patent authority coverage expanded
NEWS 8 APR 28 ENCOMPLIT/ENCOMPLIT2 search fields enhanced
NEWS 9 APR 28 Limits doubled for structure searching in CAS
REGISTRY
NEWS 10 MAY 08 STN Express, Version 8.4, now available
NEWS 11 MAY 11 STN on the Web enhanced
NEWS 12 MAY 11 BEILSTEIN substance information now available on
STN Easy
NEWS 13 MAY 14 DGENE, PCTGEN and USGENE enhanced with increased
limits for exact sequence match searches and
introduction of free HIT display format
NEWS 14 MAY 15 INPADOCDB and INPAFAMDB enhanced with Chinese legal
status data
NEWS 15 MAY 28 CAS databases on STN enhanced with NANO super role in
records back to 1992
NEWS 16 JUN 01 CAS REGISTRY Source of Registration (SR) searching
enhanced on STN
NEWS 17 JUN 26 NUTRACEUT and PHARMAML no longer updated
NEWS 18 JUN 29 IMSCOPROFILE now reloaded monthly
NEWS 19 JUN 29 EPFULL adds Simultaneous Left and Right Truncation
(SLART) to AB, MCLM, and TI fields
NEWS 20 JUL 09 PATDPAFULL adds Simultaneous Left and Right
Truncation (SLART) to AB, CLM, MCLM, and TI fields

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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FILE 'HOME' ENTERED AT 18:31:55 ON 10 JUL 2009

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.22	0.22

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 18:32:13 ON 10 JUL 2009

68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s keratin and soil and preservative

2 FILE IFIPAT
5 FILE PROMT
185 FILE USPATFULL
2 FILE USPATOLD
16 FILE USPAT2
2 FILE WPIDS

66 FILES SEARCHED...

2 FILE WPINDEX

7 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L1 QUE KERATIN AND SOIL AND PRESERVATIVE

=> s l1 and tetraalkylammonium hydroxide

2 FILE IFIPAT
54 FILES SEARCHED...
2 FILE USPATFULL
1 FILE WPIDS
1 FILE WPINDEX

4 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L2 QUE L1 AND TETRAALKYLAMMONIUM HYDROXIDE

=> file ifipat uspatfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.04	2.26

FILE 'IFIPAT' ENTERED AT 18:33:54 ON 10 JUL 2009
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CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l2

L3 4 L2

=> dup rem l3

PROCESSING COMPLETED FOR L3

L4 2 DUP REM L3 (2 DUPLICATES REMOVED)

=> d l4 1-2

L4 ANSWER 1 OF 2 IFIPAT COPYRIGHT 2009 IFI on STN DUPLICATE 1
AN 10627023 IFIPAT;IFIUDB;IFICDB
TI Hydratable form of keratin for use as a soil amendment; comprises an oxidized keratin that upon hydration forms a hydrogel which can increase the water retention properties of soil and provide a source of organic and inorganic nutrients can

also support the remediation of contaminated soils

IN Blanchard Cheryl R; Siller-Jackson Arlene J; Smith Robert Allen; Timmons
Scott F; Van Dyke Mark E

PA Keraplast Technologies Ltd
Southwest Research Institute
(50215, 78576)

PI US 20040134248 A1 20040715

AI US 2003-715337 20031117

RLI US 2000-516755 20000301 DIVISION 6649740

FI US 20040134248 20040715
US 6649740

DT Utility; Patent Application - First Publication

FS CHEMICAL
APPLICATION

ED Entered STN: 16 Jul 2004
Last Updated on STN: 11 May 2006

CLMN 51

GI 3 Figure(s).
FIG. 1. Schematic of the oxidation of keratin cystine residues
to sulfonic acid groups.
FIG. 2. Typical titration curve for a one gram sample of oxidized
keratin derived from hair.
FIG. 3. Graph depicting the number of moles of sodium hydroxide required
to neutralize keratin derived from hair that has been oxidized
for varying times.

L4 ANSWER 2 OF 2 IFIPAT COPYRIGHT 2009 IFI on STN DUPLICATE 2

AN 03972059 IFIPAT;IFIUDB;IFICDB

TI Hydratable form of keratin for use as a soil
amendment; Oxidized, comprises sulfonate groups and is associated with
metal ions; hydrogel; use in bioremediation and increasing water
retention

IN Blanchard Cheryl R; Siller-Jackson Arlene J; Smith Robert Allen; Timmons
Scott F; Van Dyke Mark E

PA Keraplast Technologies Ltd (50215)

PI US 6649740 B1 20031118

AI US 2000-516755 20000301

FI US 6649740 20031118

DT Utility; Reassigned

FS CHEMICAL
GRANTED

ED Entered STN: 19 Nov 2003
Last Updated on STN: 27 May 2004

MRN 010950 MFN: 0745
010952 0118
010952 0129
013248 0355

CLMN 23

GI 3 Drawing Sheet(s), 3 Figure(s).
FIG. 1. Schematic of the oxidation of keratin cystine residues
to sulfonic acid groups.
FIG. 2. Typical titration curve for a one gram sample of oxidized
keratin derived from hair.
FIG. 3. Graph depicting the number of moles of sodium hydroxide required
to neutralize keratin derived from hair that has been oxidized
for varying times.

=> d hist

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INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 18:32:13 ON 10 JUL 2009
SEA KERATIN AND SOIL AND PRESERVATIVE

2 FILE IFIPAT
5 FILE PROMT
185 FILE USPATFULL
2 FILE USPATOLD
16 FILE USPAT2
2 FILE WPIDS
2 FILE WPINDEX

L1 QUE KERATIN AND SOIL AND PRESERVATIVE

SEA L1 AND TETRAALKYLAMMONIUM HYDROXIDE

2 FILE IFIPAT
2 FILE USPATFULL
1 FILE WPIDS
1 FILE WPINDEX

L2 QUE L1 AND TETRAALKYLAMMONIUM HYDROXIDE

FILE 'IFIPAT, USPATFULL' ENTERED AT 18:33:54 ON 10 JUL 2009

L3 4 S L2

L4 2 DUP REM L3 (2 DUPLICATES REMOVED)

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COST IN U.S. DOLLARS

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ENTRY

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FULL ESTIMATED COST

8.35

10.61

STN INTERNATIONAL LOGOFF AT 18:35:11 ON 10 JUL 2009